DIE GRINDER PRODUCTS GUIDE

The basics you need to know to help select the right product for your Metal Fabrication needs. Get your job done faster, safer, and better.

APPLICATION

<table>
<thead>
<tr>
<th>Rust / Oxide Removal</th>
<th>Coating Removal</th>
<th>Weld Cleaning</th>
<th>Blending / Finishing</th>
<th>Grinding &amp; Snagging</th>
<th>Cutting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean / Deburr / Prep</td>
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Choosing the right grit is important to achieving the desired finish.

When selecting a wheel, always choose the thinnest wheel that will perform the cut while maintaining desired product life.

Knot Wire Brushes
Crimped Wire Brushes
Encapsulated Brushes
BobCat Mini Discs
Flap Wheels
Surface Conditioning Discs
Blending Discs
Snagging Wheels
Cutting Wheels

END BRUSHES
Best for recessed areas & corners

CONFLEX BRUSHES
Best for cleaning IDs, threads, and recessed areas

CUTTING & GRINDING WHEELS
Best for cutting sheet metal, tubes, profiles and small cross-section rods

SURFACE CONDITIONING DISCS
For light deburring, cleaning, stain removal and producing satin finishes on stainless and aluminum.

BLENDING DISCS
For a wide range of light fabrication, repair and maintenance applications

SURFACE CONDITIONING DISCS
For cleaning, finishing, deburring, blending and prepping IDs and surfaces.

BOBCAT MINI DISCS
For grinding hard-to-reach areas

BLENDING DISC
36 GRIT

SNAGGING WHEEL
1/4"
To maximize brush life and reduce costs, always use the finest wire that will get the job done without excessive applied pressure or engagement with the brush.

**Wire Size**

<table>
<thead>
<tr>
<th>Coarse</th>
<th>Medium to Coarse</th>
<th>Medium</th>
<th>Fine</th>
<th>Very Fine</th>
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<tbody>
<tr>
<td>.035</td>
<td>.023</td>
<td>.014</td>
<td>.0095</td>
<td>.008</td>
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<tr>
<td>LESS</td>
<td>MORE</td>
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**Mounting**

- Snagging and grinding
- Internal cleaning / modification
- Longer reach

**Right Angle Grinder**

- Detail and precision cutting, grinding
- Blending and polishing
- Requires more clearance for tool
- Better control

**Power**

- Higher power-to-weight ratio
- Reduced operator fatigue
- Run cooler
- Compressed air is cleaner
- Reduced fire/shock hazard
- Low maintenance
- Fewer moving parts
- Simpler designs
- Higher up-front cost
- Requires constant air pressure

**Electric**

- New technology offering increased power
- Lower overall investment
- Does not require additional power source
- Increased versatility
- Battery power / cordless optional
- Freedom of movement (cordless)
- Traditionally heavier, but coming down in weight

**Selecting the right grit for your application can increase wheel effectiveness and user productivity.**

**Grit Size**

<table>
<thead>
<tr>
<th>16</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>40</th>
<th>46</th>
<th>50</th>
<th>60</th>
<th>80</th>
<th>120</th>
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<tbody>
<tr>
<td>C</td>
<td>C</td>
<td>AO</td>
<td>ZA</td>
<td>CG</td>
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**Durability**

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<tbody>
<tr>
<td>C</td>
<td>C</td>
<td>AO</td>
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**Self Sharpening**

- Ceramic Infused

**1/4" & 3/8" Arbor Holes**

1/4", 1/2", 3/8" & 5/8" arbors require mandrel

**Mandrels for Abrasive Products**

- For Blending Discs, Surface Conditioning Discs & BobCat Mini Disks
- Type R hub pad + mandrel
- Type S hub pad + mandrel
- Type S mandrel
- Battery power / cordless optional
- Freedom of movement (cordless)
- Traditionally heavier, but coming down in weight

**Mounting**

- For Small Diameter Cutting & Snagging Wheels
- When inquiring about mandrels ask for it by arbor size, not shank size.

**Profiles**

- Type 1 (Flat Profile)
- Type 27 (Depressed Center or Raised Hub)
- Wheel (Flat Profile)
- Cup
- Bevel / Concave

**Mount Brushes Safely:**

- When clamping a stem-mounted accessory, it is important to clamp as much of the stem (shank) as possible. However, the base of the accessory should not be mounted flush to the collet. Always allow a slight gap between the base of the accessory and the collet (approximately 1/8").